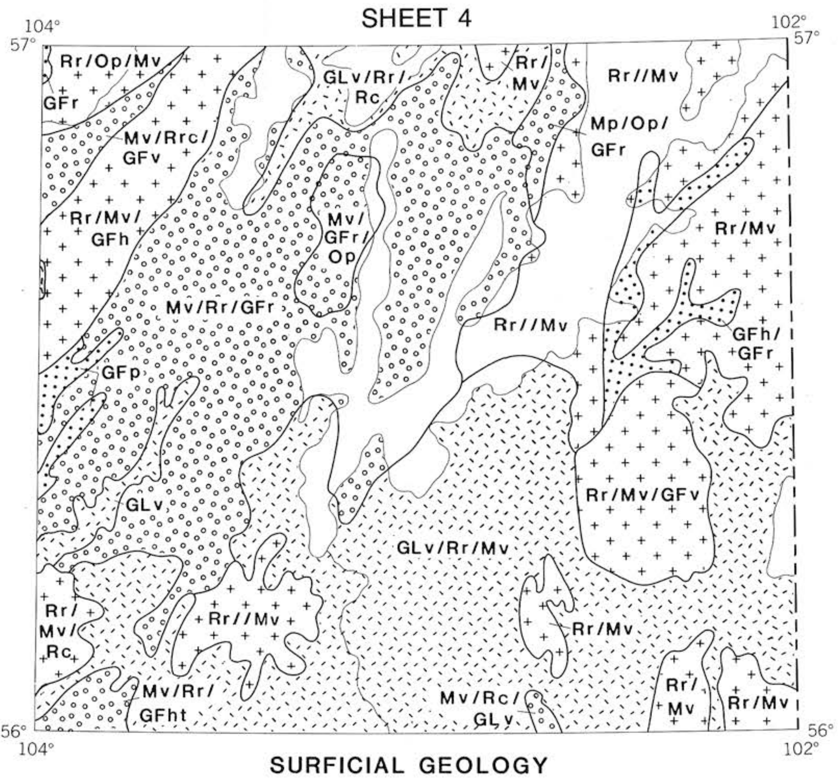
Canada
Department of Energy, Mines and Resources
Geological Survey of Canada

Province of Saskatchewan
Department of Mineral Resources
Saskatchewan Geological Survey

SHEET 4



SURFICIAL GEOLOGY

kilometres 0 20 40 60

Scale 1:1000 000

Symbol	Terrain
R	Rock
M	Morainal
GL	Glaciolacustrine
GF	Glaciofluvial
O	Organic

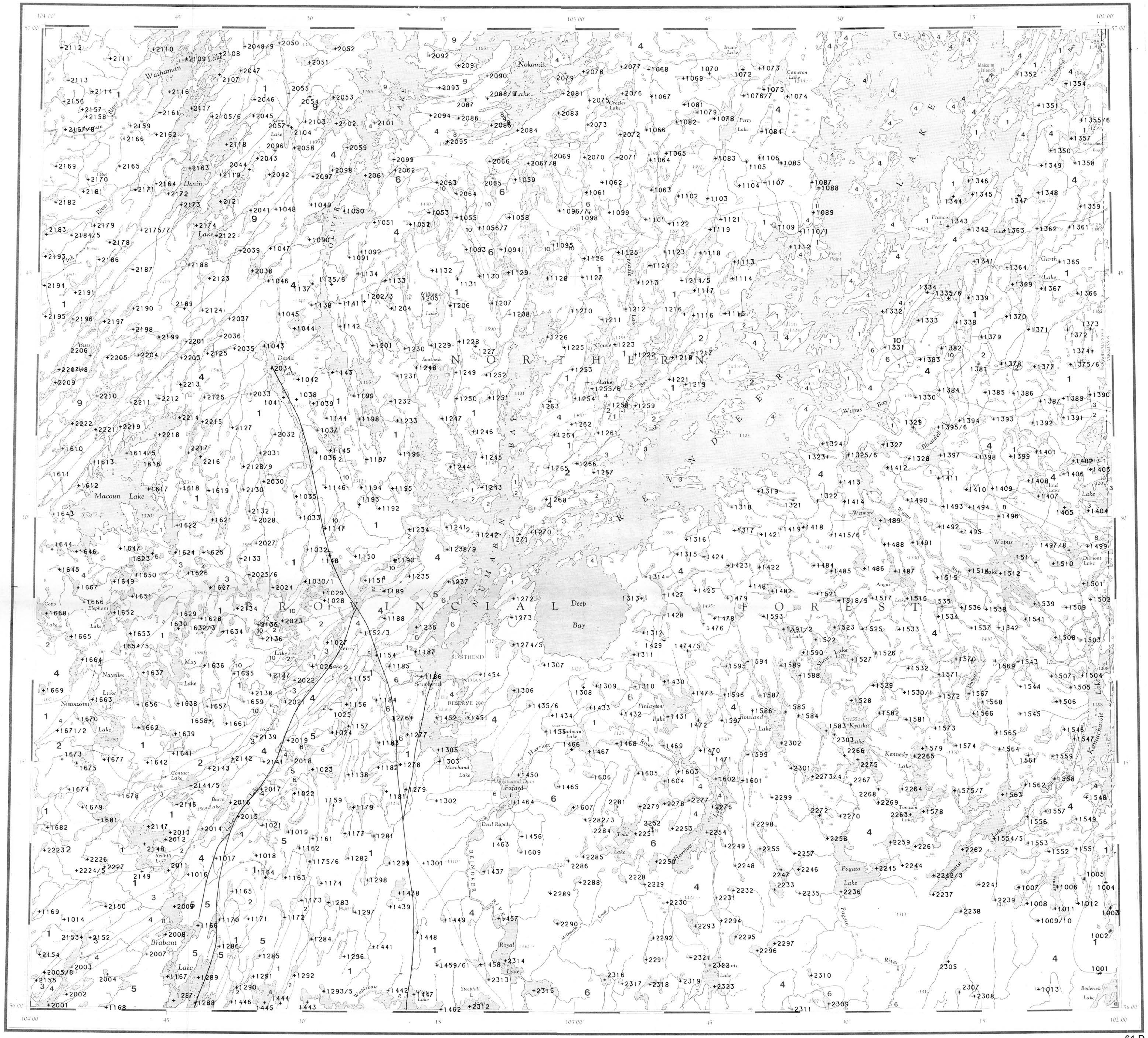
Geomorphic Modifier

c	concealed	h	hummocky
w	weathered	d	drumlinoid
e	eroded	t	terrace
g	gullied		
k	collapsed		
p	plain		
v	veneer		
r	ridged		

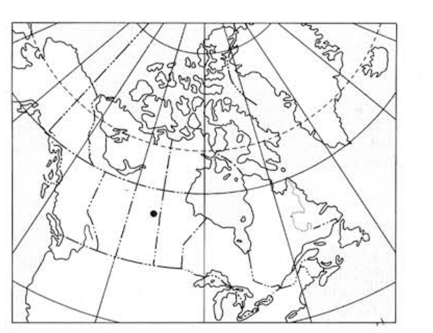
Complexes: where two or more classes of terrain are interspersed in a mosaic or repeating pattern the proportion of each component in the combination is given in a three-position designation set off by slashes denoting arbitrary percentage limits. For example, "Mv/O/R" means that at least 60% of the area is underlain by thin till, with up to 40% boggy areas, and less than 15% scattered rock outcrops. "Rc/R" indicates more than 60% bedrock concealed by vegetation and less than 15% outcrop.

Surficial geology was modified from Quaternary Geology of the Precambrian Shield of Saskatchewan, 1984, Map 221A (to accompany report 221) by B.T. Schreiner

64 D



64 D



INDEX MAP

Elevation in feet above mean sea level

Mean magnetic declination 1985, 14°08' East, decreasing 21.5' annually. Readings vary from 12°50' in the SE corner to 15°28' in the NW corner of the map area

SAMPLE LOCATION
GSC OPEN FILE 1129
SHEET 4

REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 73-1984

CANADA - SASKATCHEWAN
MINERAL DEVELOPMENT AGREEMENT (1984-89)

LAKE SEDIMENT GEOCHEMICAL SURVEY
EAST-CENTRAL SASKATCHEWAN, 1984

(a supplement to GSC Open File 266 and 488)

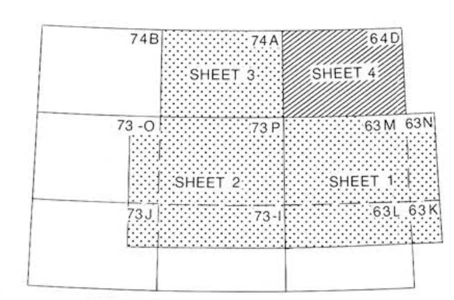
Scale 1:250 000

Kilometres 5 0 5 10 15 20 Kilometres

Universal Transverse Mercator Projection

© Crown Copyrights reserved

Base map assembled by the Geological Cartography Unit from maps published at the same scale by the Surveys and Mapping Branch in 1965



NATIONAL TOPOGRAPHIC SYSTEM REFERENCE

SHEET 4

SAMPLE LOCATION

GSC OPEN FILE 1129

EAST-CENTRAL SASKATCHEWAN, 1984

(a supplement to GSC Open File 266 and 488)

LEGEND

Note: This legend is common for Regional Geochemical Reconnaissance Map 73-1984, Open File 1129

PRECAMBRIAN
BASEMENT COMPLEX

10	(UMFC)*	Mafic and ultramafic rocks; includes gabbro, pyroxenite, diorite, quartz diorite and basalt
9	(MGMT)	Migmatite and mylonite zones; complexes of mixed metasediment and granite
8	(MRBL)	Marble and calc-silicate gneisses
7		Conglomerate
6	(AMPB)	Amphibolite and hornblende-bearing gneisses; in part may be volcanic, intrusive or sedimentary in origin, contains hypersthene-bearing amphibolite gneisses west of Virgin River
5	(MSDM)	Mixed metasediments; undifferentiated schists and gneisses of pelitic, semi-pelitic and psammitic composition
4	(PSCS)	Pelitic schists and gneisses; essentially aluminous metasediments including cordierite-, sillimanite-, staurolite-, and garnet-bearing biotite gneisses (many rocks mapped as "biotite gneisses" are psammitic); north of Lake Athabasca grade into migmatites
3	(MARK)	Psammites; essentially meta-arkose, quartzite and micaceous psammites
2	(MVCC)	Metavolcanic rocks and meta-greywackes; includes basalt, andesite, rhyolite, volcanic breccia, tuff, agglomerate, subordinate meta-greywacke, chlorite schist and hornblende schist
1	(GRNT)	Granite, granodiorite, quartz monzonites; may be massive or gneissic, includes areas in which metasediments may be intimately mixed

* A four letter mnemonic name recorded as rock type as part of field observations

Geology boundary ....
Fault ....
No analytical result ....*
Gold value with detection limit of 1 ppb ....+
Gold value with detection limit of 2 ppb ....●

This legend was modified and the geology derived for this geochemical map from Geology Map of Saskatchewan, 1972

This file consists of 4 geochemical maps, the area being divided into 4 sheets, and 4 sample site location maps

Geological Survey of Canada
Resource Geophysics and Geochemistry Division

and

Department of Mineral Resources
Saskatchewan Geological Survey

CONTRACTORS

Sample collection by Trigg, Woollett & Associates Ltd.
Sample preparation by Staff of the Saskatchewan Geological Survey
Gold analysis by Novatrack Analysts, Vancouver

Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

K.G. Campbell Corporation
880 Wellington St.
Bay 238
Ottawa, Ontario
K1R 6K7

The data are also available in digital form. For further information please contact:

The Director
Computer Science Centre
Department of Energy, Mines and Resources
Ottawa, Ontario
K1A 0E4

SHEET 4
SAMPLE LOCATION
GSC OPEN FILE 1129
EAST-CENTRAL SASKATCHEWAN, 1984
(a supplement to GSC Open File 266 and 488)

This document was produced by scanning the original publication.
Ce document est le produit d'une numérisation par balayage de la publication originale.